

Abstract

A stent, in particular a coronary stent, for expansion from a first condition into an expanded second condition in which it holds a vessel in an expanded state, comprising a tubular body whose peripheral surface (1) is formed by a number of support portions (2) which extend in the longitudinal direction of the stent and which comprise bar elements (3) which are connected by way of connecting bars (4), wherein there is provided a number of support portion groups (1.1) with at least a first support portion (2.1) and a second support portion (2.2, 2.3) in adjacent relationship in the peripheral direction of the stent, whose bar elements (3.1, 3.2, 3.3) extend in a meander configuration in the longitudinal direction of the stent, and wherein the first engagement points (4.1, 4.2) of first connecting bars (4) engage the first support portion (2.1) and the second engagement points (4.2, 4.4) of the first connecting bars (4) engage the second support portion (2.2, 2.3), wherein the first and second engagement points (4.1, 4.3, 4.2, 4.4) of the first connecting bars (4) are spaced from each other in the longitudinal direction of the stent and the first connecting bars (4) are of such a configuration and arrangement that the spacing between the first and second engagement points (4.1, 4.3, 4.2, 4.4) of the first connecting bars (4) in the longitudinal direction of the stent changes upon expansion of the stent to compensate for the reduction in length of the support portions.